



U.S. Department
of Transportation
**Federal Aviation
Administration**

Memorandum

Subject: **ACTION:** TIL 03-047, Visual Segment 20:1 Surface
Penetrations

Date: **MAR 3 2003**

From: Manager, Flight Technologies and Procedures Division,
AFS-400

Reply to
Attn. of:

To: Director, Aviation System Standards, AVN-1

The attachment to this memorandum provides amended guidance to FAA Order 8260.3B, United States Standard for Terminal Instrument Procedures (TERPS), Volume 1, paragraph 251, for application until a formal TERPS change can be compiled, coordinated, and implemented. The attachment contains changes to paragraphs:

- 251a(2)(c) - changed to indicate the beginning area width for Cat A/B is ± 200 feet, Cat C/D/E is ± 400 feet.
- 251b(2) - changed to specify application to straight-in runways only
- 251b(3) - changed to specify application to circling runways only
- 251b(4) - added to address use of a Visual Glide Slope Indicator (VGSI) to retain night minimums when it is impossible to mark and light penetrating obstacles.

Remove pages 23-24 from TERPS Volume 1, chapter 2, and replace them with the attachment. This memorandum and attachment is available electronically on the TERPS Instruction Letter (TIL) page of our web site at: <http://av-info.faa.gov/terps/Policies Page.htm>

Apply the following guidance from the draft Change 3 to Order 8260.19C, paragraph 854m(2)(h):

When use of the VGSI is required to mitigate the requirement in TERPS to light an obstacle that penetrates the visual assessment area 20:1 OIS, thus permitting night instrument flight rules (IFR) operations, publish the applicable standard note: "When VGSI inop, procedure NA at night"; "When VGSI inop, straight-in/circling Rwy XX procedure NA at night"; or "When VGSI inop, circling Rwy XX NA at night".

TIL 02-037, TERPS paragraph 251b(2), 20:1 obstacle identification surface (OIS) Penetration Penalty, is canceled.

For any further information, please contact Donald Pate, AFS-420, at (405) 954-4164.

John W. McGraw

Attachment